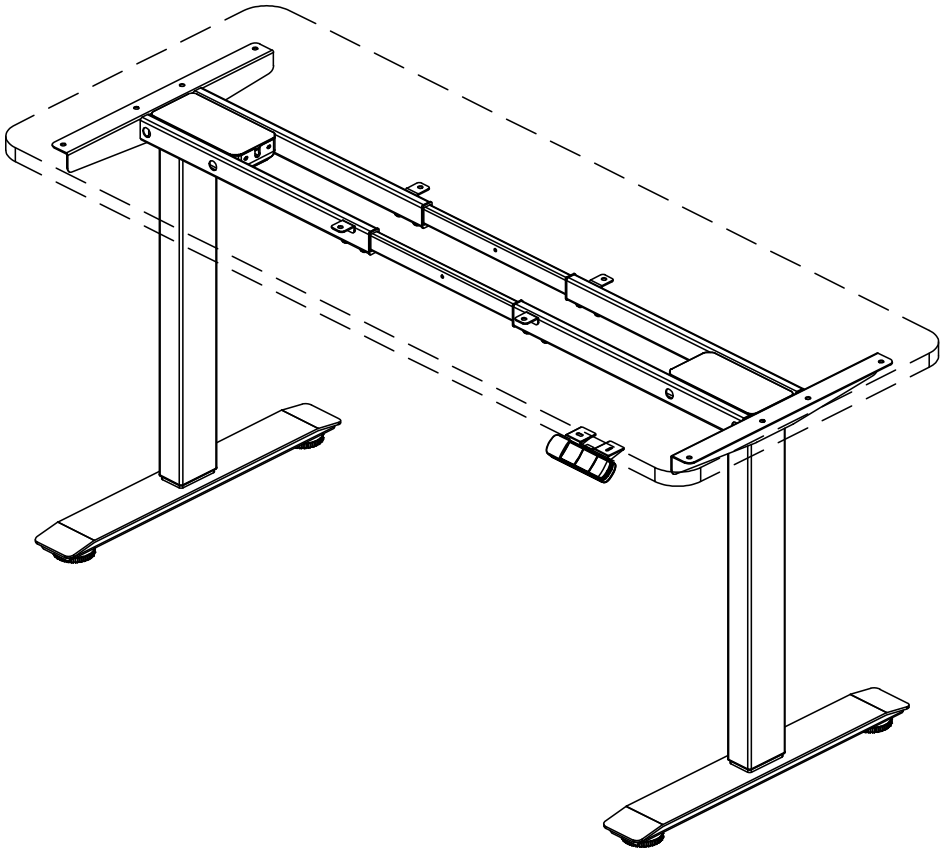


Operation Manual

For Height-Adjustable Desk

www.dewertokintechnology.com

Caution



Keep children and pets away from the electric high-adjustable desk during the operation. Unplug the power cord during a thunderstorm or if you do not intend to use the desk for long time.



Make sure desktop not touch the wall.



Ensure no obstacles in the desk's path, and no any object above 20" under the desk.



Working environment temperature 0-40℃, keep products away from corrosive gas, liquid and dusty objects.



It is strictly forbidden to disassemble the products privately to avoid that the failure of the products or the damage to the human body caused by electronic products, etc.



Although the product with anti-collision function, in order to avoid any pinching, please ensures that hands or other parts of your body are in a safe position during the operation. Anti-collision is not enabled during all resets.

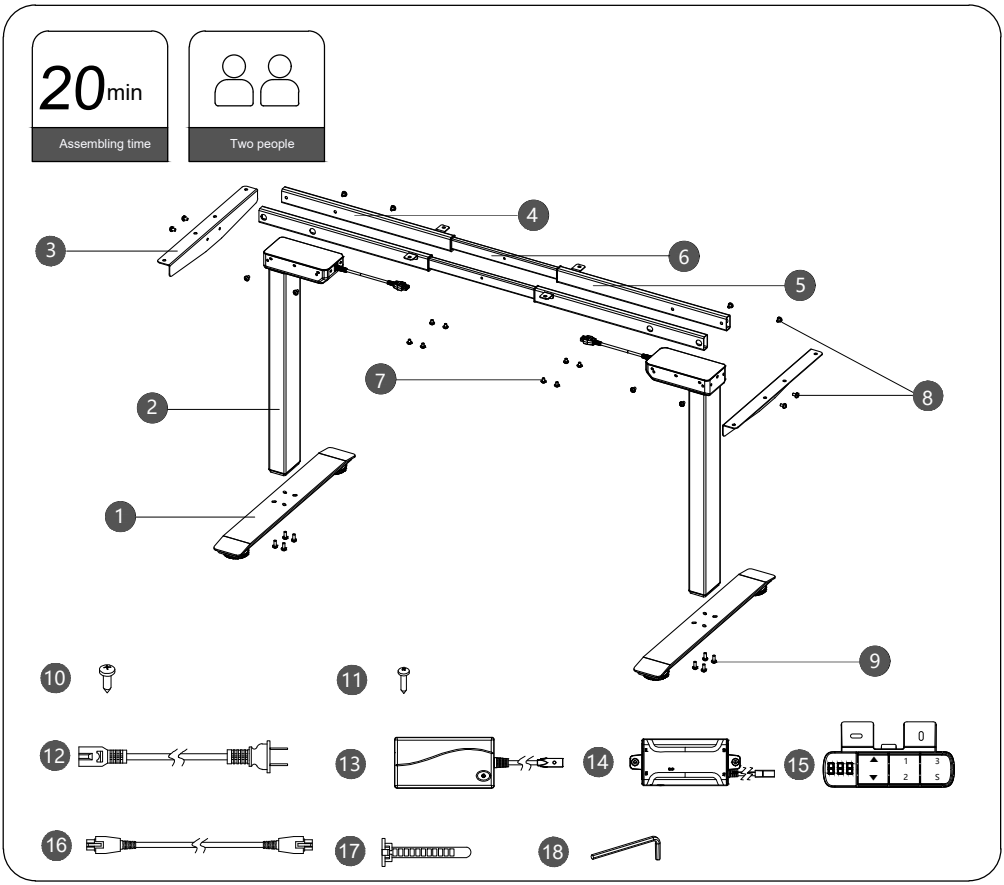


Please read following instruction carefully before use the high-adjustable desk. The company does not bear any warranty or liability for damage and human injury caused by any abnormal operation.



It is necessary to be reset manually after initial installation or power off.

Parts list



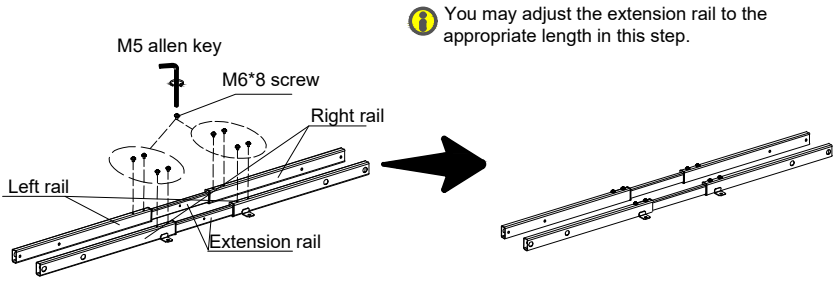
No.	Part name	Qty (Pcs)
1	Foot	2
2	Column	2
3	Side bracket	2
4	Right rail	2
5	Left rail	2
6	Extension rail	2
7	M6*8 screw	8
8	M6*10 screw	12
9	M6*16 screw	8

No.	Part name	Qty (Pcs)
10	ST4.8*16 screw	12
11	ST3.5*16 screw	4
12	Power cord	1
13	Power adapter	1
14	Control box	1
15	Handset	1
16	Extension cable	1
17	Cable clip	6
18	M5 allen key	1

Installation Instructions

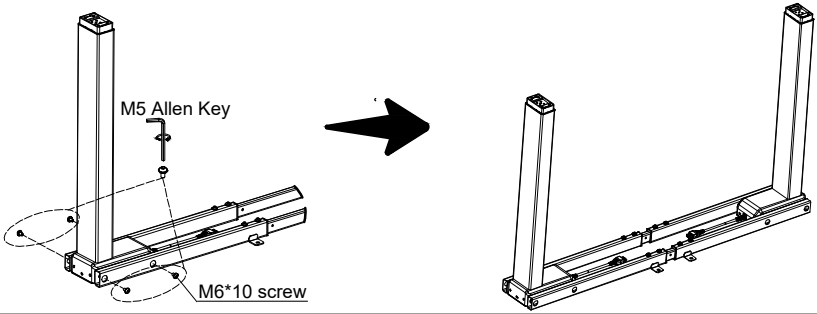
STEP 1

· Place the right and left rails on an even surface as shown below.
· Insert both ends of extension rail to the right and left rails as shown below and pre-tighten the screws.



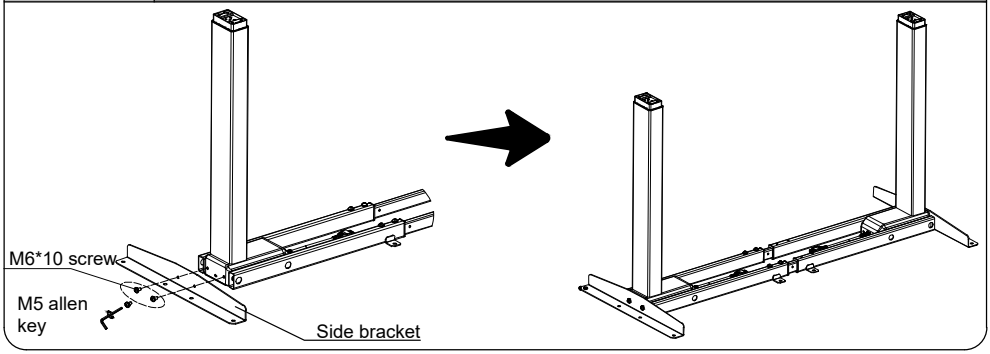
STEP 2

· Place the desk columns between the left and right rails, make sure the screw holes on the frame and columns are aligned.
· Tighten the screws.



STEP 3

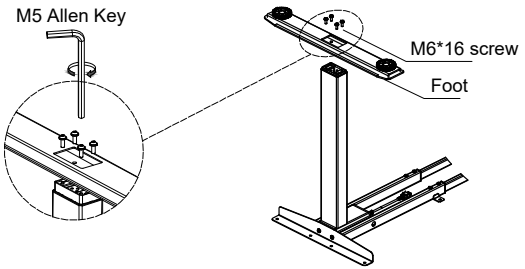
· Mount the side brackets onto each side of the columns.
· Tighten the screws.



Installation Instructions

STEP 4

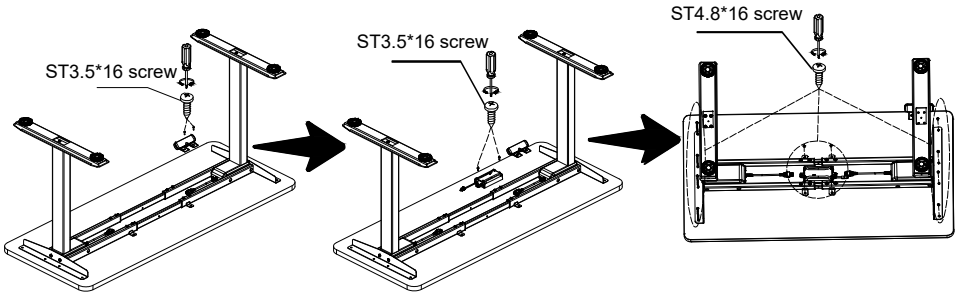
· Tighten the screws for desk feet and columns.



STEP 5

· Please adjust and leave the side brackets to both edges of the desktop for 2", then tighten the screws.

· Please install your control box, extension cable and power cord with screws as shown below.

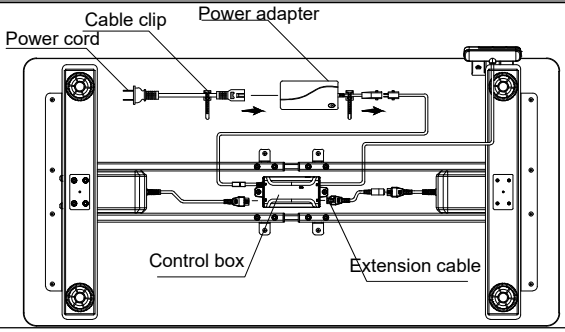


▲The frame width is adjustable from 42" to 59" for desktops in different sizes.

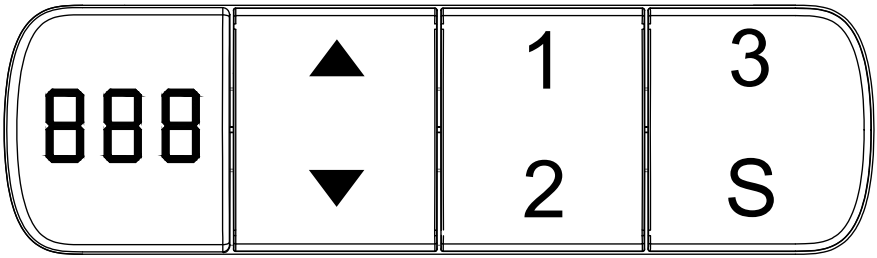
STEP 6

· On the bottom side of the desktop, you may take below diagram as the reference to install the power cord, power adapter and control box.

· Cables underneath the desktop can be well managed with cable clips.



Instruction



• Manual Reset

1. ▼ rES • Keep pressing "down" key till display shows "E-1" and "rES" alternately and release the key.
2. 070 • Keep pressing "down" key again, the desktop will move slowly down and return back till the display shows "070" or "27.6"(Depends on your version of the control box).
3. • Release the key , the height-adjustable desk can be used normally.

ⓘ It is necessary to be reset manually after the initial installation and power off.

ⓘ Note: The Anti-Collision function is not enabled during all resets. Please note that there is a potential risk of pinching in this case, and be sure no obstacles in the desk's path.

• Up and Down

1. ▲ • Keep pressing "up" key till the required height is reached.
2. ▼ • Keep pressing "down" key till the required height is reached.

• Saving position

1. ▲ ▼ • Adjust the desktop to the height you want to save.
2. S • Keep pressing "S" key till the display will show "S - -".
3. 1 • Press "1" key, the display will show "S-1" and the current height alternately.
4. S • Press "S" key, the first memory position is set successfully. Similar procedure for "2" key and "3" key memory positions.

ⓘ By using memory function, the desktop can easily be programmed to preferred height positions.

Instruction

• High and Low Limitation Positions

Do not enable this function unless you are really need in some situation.

1. S • Keep pressing key "S" till the display shows "S - -"
2. ▲ HLP • Press "up" key till the display flash as "HLP".
3. 1 H-P • Press "1" key, the display shows "H-P" and current height alternately.
4. ▲ ▼ • Keep pressing "up" or "down" key till the required high limit position is reached.
5. S • Press "S" key, the desktop height will be showed and the high limit position has been set.
6. 2 L-P • Repeat step 1 and step 2 , then press "2" key, the display will show "L-P" and current height alternately, keep pressing "down" key till the low limit position is reached, press "S" key, the low limit position has been set.

Note: By this function would be used to limit the movement area of desktop, when the container is underneath or any shelf above the desktop. Once it is set, the new high or low limitation position will be stored.

• Change the displayed Unit(cm/inch)

1. S • Keep pressing key "S" till the display shows "S - -".
2. ▲ Unt • Press "up" key, the display will show "Unt".
3. 1 • Press "1" key, the display will show "Unt" and the current height alternately, and the unit of height is "cm".
4. S • Press "S" key to save the unit as "cm".
5. 2 S • Repeat step 1 and step 2 , then press "2" key, the display shows "Unt" and the current height alternately, and the unit of height is "inch", press "S" key to save the unit as "inch".

• Amend the desktop height displayed

Before operating this function, execute the **Manual Reset** procedure.

1. S • Keep pressing key "S" till the display show "Ur" and "oFF" alternately.
2. ▲ • Press "up" key till the display shows "End" and current height alternately. (for metric, please note that the unit is "mm" during this procedure)
3. 1 2 3 • Changing the height by pressing "1" key to adjust the first numbers, "2" key to adjust the second number, and "3" key to adjust the third number.
4. S • Press "S" the height has been changed to defined digit.

Note: The function enables you to change the height shows on the display based on the actual measurement.

Instruction

• Adjust Anti-Collision Sensitivity of Current Detection

NOTE: DO NOT USE THIS FUNCTION UNLESS THE DEFAULT SETTING CAN'T MEET ACTUAL NEEDS.

NOTE: BY THIS FUNCTION, THE ANTI-COLLISION DETECTION LEVEL CAN BE ADJUSTED ACCORDING TO THE ACTUAL SENSITIVITY REQUIREMENT.

THE SMALLER THE NUMBER, THE HIGHER THE SENSITIVITY.

1. S • Keep pressing the key "S" till the display shows "Ur" and "Off" alternately.
2. ▲ P - - • Press "up" key till the display flash as "P - -".
3. 1 P 15 •Press "1" key, the display flash as "P 15"(Different programs may display different number), the sensitivity of **upward** movement can now be adjusted.
4. ▲ ▼ •Press "up" or "down" key to adjust the number you want.
5. S •Press "S" key, the new anti-collision sensitivity level has been set.
6. 2 P.10 S •Repeat step 1 and step 2 , then press "2" key, the display will flash as "P. 10", the sensitivity of **downward** movement can now be adjusted, press "up" or "down" key to adjust the number you want. Press "S" key, the new anti-collision sensitivity level has been set.

• Adjust Anti-Collision Sensitivity of Gyro Detection **(Optional)**

NOTE: DO NOT USE THIS FUNCTION UNLESS THE DEFAULT SETTING CAN'T MEET ACTUAL NEEDS.

NOTE: DEPENDING ON THE PRODUCT CONFIGURATION, YOUR CONTROL BOX MAY NOT HAVE THIS FUNCTION.

NOTE: BY THIS FUNCTION, THE ANTI-COLLISION DETECTION LEVEL CAN BE ADJUSTED ACCORDING TO THE ACTUAL SENSITIVITY REQUIREMENT.

THE SMALLER THE NUMBER, THE HIGHER THE SENSITIVITY.

1. S • Keep pressing the key "S" till the display shows "Ur" and "Off" alternately.
2. ▲ A - - • Press "up" key till the display flash as "A - -".
3. 1 A 02 • Press "1" key, the display flash as "A 02"(Different programs may display different number), the sensitivity of **Gyro detection** can now be adjusted.
4. ▲ ▼ •Press "up" or "down" key to adjust the number you want.
5. S •Press "S" key, the new anti-collision sensitivity level has been set.

Instruction

• Anti-Collision function

1. 

• Once the desktop encounters any obstacle in its path, the screen displays "E-2".

• The desktop will move a defined distance in opposite direction, and it would be used normally after removing the obstacle.

• Plug detection

The function can detect whether the motors are collected normally.

1. E-3 rES • Once the display shows "E-3" and "rES", it reminds you check whether any motors fail connected with control unit.

2. • Please power off the whole system, check and connect all the cables, then repower on.

3. ▼ rES • Keep pressing "down" key, the desktop will move slowly down and return back till the display shows "070" or "27.6"(Depends on your version of the control box).

• Reset to factory setting

With this function, you can make the control unit to factory setting.

1. S • Keep pressing "S" key till the display shows "FAC".

2. S • Press "S" key, and the control unit restore to factory setting (including memory position, high and low limitation positions, etc).

• Shortcut key to enabled/disabled the gyro function



• There is a round button on the side of the control box.

• If you want to quickly disable the gyro function, you need to keep pressing the round button until the LED light on the control box is off. Release the button, the LED light will blink 3 times and the gyro function is disabled.

• If you need to enable the gyro function, you just need to press the round button and the gyro function is already enabled.

The gyro function is to achieve a better anti-collision effect. It is enabled by default. If you disable it, it may cause security issues, so please use it with caution.

The gyro function is still disabled after re-powered if you disabled it.

Code meaning and Trouble shooting

【Code meaning】

Code	Information	Operating
rES	Manual resetting	Refer to the progress of manual reset
ovr	Overloading	Remove the load on desktop till it less than 1000N / 102KG / 225LBS(including the desktop) for further operation
E-2	Anti-Collision function	It can be used normally after removing the obstacle
dut	Operated continuously without suitable rest	Make the desk rest around 18minutes for further operation

【Trouble shooting】

Code	Operating
E-4	The height between two legs exceed 1 inch. Stop the operation and reset, refer to Manual reset
E-3	Check the cables and ensure they are well connected, and the height-adjustable desk can be used normally after manual reset
Sot	The control box detect the current is abnormal, it may be caused by overloading or signal interference. Please remove the load or power off to check all the cables' connection, and then power on again.

Technical Data

【Technical Data】

Item	Data
Input voltage	100~240V AC
output voltage	29V DC
Max loading	1000N / 102KG / 225LBS
Height range (without desktop)	690~1190mm
Duty cycle	2 min on/ 18 min off